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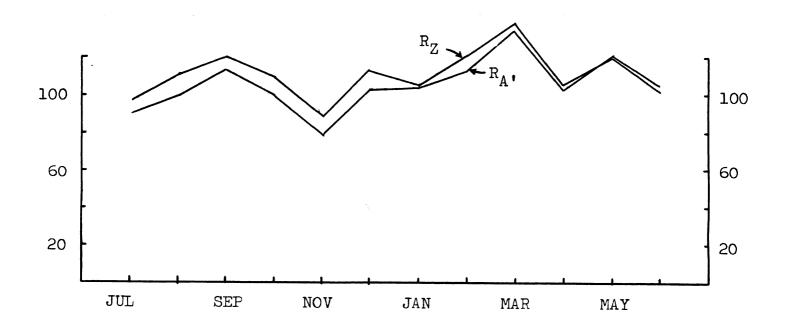
June 1969

SOLAR ACTIVITY DURING JUNE

Nine ionospheric disturbances were recorded by Solar Division observers during the first Half of June. An event that reached maximum at 1505 UT on the 5th was the most severe with another almost as intense the following day. Two disturbances separated by about one-half hour occurred on the 16th Three recordings of this double event are reproduced on page two. Both events were recorded as sudden enhancements of atmospheric noise of about equal intensity in Missouri and Massachusetts, a separation of over 1000 miles. There is a great difference in the intensity of the two events where they are shown as a sudden enhancement of the signal of very-low-frequency station NBA in Panama. Here the first disturbance is so small it would hardly be considered real if not confirmed by the SEA records. Such differences in apparent intensity are not unusual and indicate the advantage of using more than one method of detection.

Sunspot activity was down somewhat with the June mean of the American sunspot numbers at 105.5 compared to 120.9 last month. The numbers rose rapidly from their low point on the 1st to reach peak values on the 7th and 8th. By month's end, they had again dropped to low values.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



day 1 2 3 4 5	R _A , 42 61 79 93 145	R _Z 32 47 74 77 116		day 16 17 18 19 20	R _A , 129 128 105 79 88		R _Z 134 101 92 74 97
6 7 8 9 10	173 193 180 184 178	157 182 186 179 181		21 22 23 24 25	70 44 39 42 55		84 56 37 33 51
11 12 13 14 15	178 176 160 147 131	180 174 167 161 148	www	26 27 28 29 30	35 31 50 53 96		26 35 49 63 71
June	mean R _A ,	= 105.5		June	Mean R_Z	=	102.1

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING JUNE 1969

